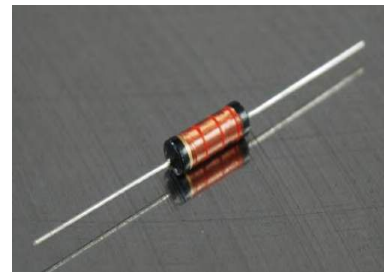
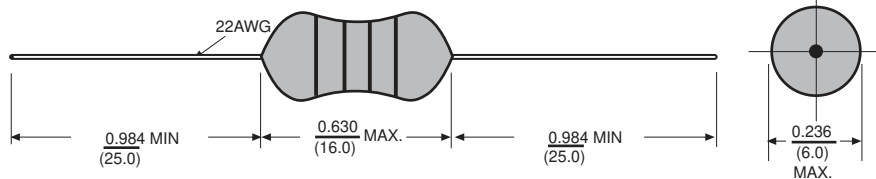


AE90 Series Axial Epoxy Inductors



Dimensions: $\frac{\text{Inches}}{\text{(mm)}}$



Features

- High Current Capacity
- Expanded operating temp range
- Low DC Resistance
- Available on tape and Reel or Ammo Pack for Auto placement.

Electrical

Inductance Range: 10 μ h to 100,000 μ h

Tolerance: K=10%, J=5%
Available in tighter tolerances

Test Frequency for (L):

10 μ h @ 1Mhz
12 μ h to 4700 μ h @ 100Khz
5600 μ h to 100,000 μ h @ 10Khz

Operating Temp: -55 $^{\circ}$ C ~ +125 $^{\circ}$ C

Current Rating: Based on a 40% temp rise at 85 $^{\circ}$ C ambient.
Part temperature should not exceed 125 $^{\circ}$ C
Measurements @ 20 $^{\circ}$ C

Test Equipment

(L) & (Q): HP 4284A LCR meter or equivalent
DCR: HP4263B Current Source and DCR Meter
SRF: HP4191A
IDC: 11021 Current Source and DCR Meter

Physical

Packaging: 1000 pieces per 13" Tape and Reel
Marking: 4 Band EIA Color Code

Allied Part Number	Inductance (μ h)	Q Min	Q Test Freq Khz	DCR (Ohms) Max	SRF (MHz) Min.	Current Rating mA	I Sat mA
AE90-100K-RC	10	55	2520	0.09	38	2900	4600
AE90-120K-RC	12	55	2520	0.13	36	2250	3800
AE90-220K-RC	22	50	2520	0.15	15	2030	3100
AE90-330K-RC	33	35	2520	0.16	5.2	1980	2550
AE90-470K-RC	47	30	2520	0.18	4.8	1800	2100
AE90-680K-RC	68	20	2520	0.25	3.8	1620	1790
AE90-101K-RC	100	40	796	0.62	2.5	1060	1490
AE90-151K-RC	150	35	796	0.80	2.0	960	1210
AE90-221K-RC	220	35	796	1.2	1.60	690	900
AE90-331K-RC	330	25	796	1.4	1.40	630	735
AE90-391K-RC	390	25	796	1.6	1.30	590	675
AE90-471K-RC	470	20	796	1.8	1.20	550	630
AE90-561K-RC	560	15	796	2.3	1.06	525	610
AE90-681K-RC	680	15	796	2.6	0.92	500	590
AE90-821K-RC	820	70	252	4.2	0.72	448	550
AE90-102K-RC	1000	70	252	4.2	0.72	400	490
AE90-122K-RC	1200	70	252	5.5	0.68	350	448
AE90-152K-RC	1500	70	252	6.0	0.65	320	400
AE90-182K-RC	1800	70	252	6.0	0.65	300	410
AE90-222K-RC	2200	65	252	10	0.50	250	340
AE90-272K-RC	2700	50	252	12	0.42	243	298
AE90-332K-RC	3200	50	252	12	0.42	220	270
AE90-392K-RC	3900	30	252	18	0.29	200	245
AE90-472K-RC	4700	30	252	18	0.31	200	220
AE90-562K-RC	5600	30	252	23	0.30	160	200
AE90-682K-RC	6800	25	252	26	0.29	150	180
AE90-822K-RC	8200	60	79.6	35	0.22	135	165
AE90-103K-RC	10000	60	79.6	40	0.20	120	150
AE90-123K-RC	12000	55	79.6	63	0.17	112	134
AE90-153K-RC	15000	55	79.6	63	0.17	100	120
AE90-183K-RC	18000	50	79.6	90	0.16	86	110
AE90-223K-RC	22000	50	79.6	100	0.15	82	100
AE90-273K-RC	27000	50	79.6	130	0.14	75	95
AE90-333K-RC	33000	50	79.6	130	0.14	67	85
AE90-473K-RC	47000	30	25.2	220	0.09	53	73
AE90-683K-RC	68000	25	25.2	270	0.08	49	59
AE90-104K-RC	100000	20	25.2	490	0.06	34	45

All specifications subject to change without notice.